SIROTENKO, V. D.: Master Tech Sci (diss) -- "Investigation of the effect of composition of the gas-air mixture on the operating indexes of an internal-combustion engine". Moscow, 1958. 18 pp (Min Transportation USSR, All-Union Sci Res Inst of Railroad Transport), 150 copies (KL, No 1, 1959, 120)

SIROTENKO, V.D., inzh.

Answers to readers' questions. Elek. i tepl. tiaga no.6:45 Je '58.
(MIRA 11:6)

(Diesel locomotives)

SIROTENKO, V.D., inzh.

Investigating the effect of the composition of the gas-air mixture of the combustion process in diesel locomotive engines. Trudy TSNII MPS no.149:122-153 '58. (MIRA 11:6)
(Diesel locomotives--Fuel consumption)

DROBINSKIY, V.A., inzh.; YEGUNOV, P.M., kand. tekhn.nauk; VOLODIN, A.I., kand.tekhn.nauk, retsenzent; GROMOV, S.A., kand. tekhn.nauk, retsenzent; POPOV, G.V., kand. tekhn. nauk, retsenzent; BOL'SHAKOV, A.S., inzh., retsenzent; KATANOV, M.I., inzh., retsenzent; SIROTENKO, V.D., kand. tekhn. nauk, red.; USENKO, L.A., tekhn.red.

[How a diesel locomotive is built and operates] Kak ustroen i rabotaet teplovoz. Izd.2., perer. i dop. Moskov, Transzheldorizdat, 1963. 380 p. (MIRA 17:1)

L 27862-66 EWT(d)/EWT(l)/EWT(m)/EWP(w)/EPF(n)-2/EWP(v)/T-2/EWP(t)/EWP(k)/EWP(b)/EWA(h)/ETC(m)
ACC NR: AP5028531 IJP(c) JD/WW/JG/EM/DJ SOURCE CODE: UR/0286/65/000/020/0125/0125

AUTHORS: Ukraintsev, B. N.; Vilnitis, A. Ya.; Sirotenko, V. G.; Foliforov, V. M.

ORG: none

TITLE: Electromagnetic induction pump. Class 59, No. 175825 [announced by Central Project-Construction Bureau of Mechanization and Automation of the Council of National Economy of the Latvian SSR (Tsentral'noye proyektno-konstruktorskoye byuro mekhanizatsii i avtomatizatsii sovnarkhoza Latviyskoy SSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 125

TOPIC TAGS: electromagnetic pump, liquid metal pump, magnetic circuit, electrode, liquid metal

ABSTRACT: This Author Certificate presents an electromagnetic induction pump containing a magnetic circuit, an inductor with coils, and electrodes located in slots in the body which has a passage for the pumped fluid (see Fig. 1). To increase its operating temperature range, the pumped liquid metal is used as the inductor winding material. This metal fills the inductor and electrode slots

Card 1/2 UDC: 621.689

L 27862-66

ACC NR: AP5028531

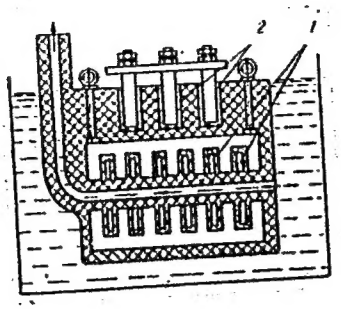

Fig. 1. 1 - Inductor slots; 2 - slots in body.

and comes from the pumping channel. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 14Oct64

Card 2/2

ACC NR: AP6020963 (A) SOURCE CODE: UR/0226/66/000/006/0068/0072

AUTHOR: Yeremenko, V. N.; Shtepa, T. D.; Sirotenko, V. G.

ORG: Institute for Problems in the Science of Materials, AN UkrSSR (Institut problem materialovedeniya, AN USSR)

TITLE: Intermediate phases in alloys of titanium with iridium, rhodium, and osmium

SOURCE: Poroshkovaya metallurgiya, no. 6, 1966, 68-72

TOPIC TAGS: titanium alloy, rhodium alloy, osmium alloy, iridium alloy, ~~alloy phase~~, monoclinal structure, intermediate phase, PHASE COMPOSITION, ALLOY PHASE DIAGRAM

ABSTRACT: The authors investigated the alloys Ti-Ir, Ti-Rh, Ti-Os throughout the concentration range. The structures and some properties of the intermediate phases formed in these alloys were studied. The δ-phase was found for the first time in the Ti-Rh alloy, and it has been shown as a monoclinal structure with

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L 43774-66

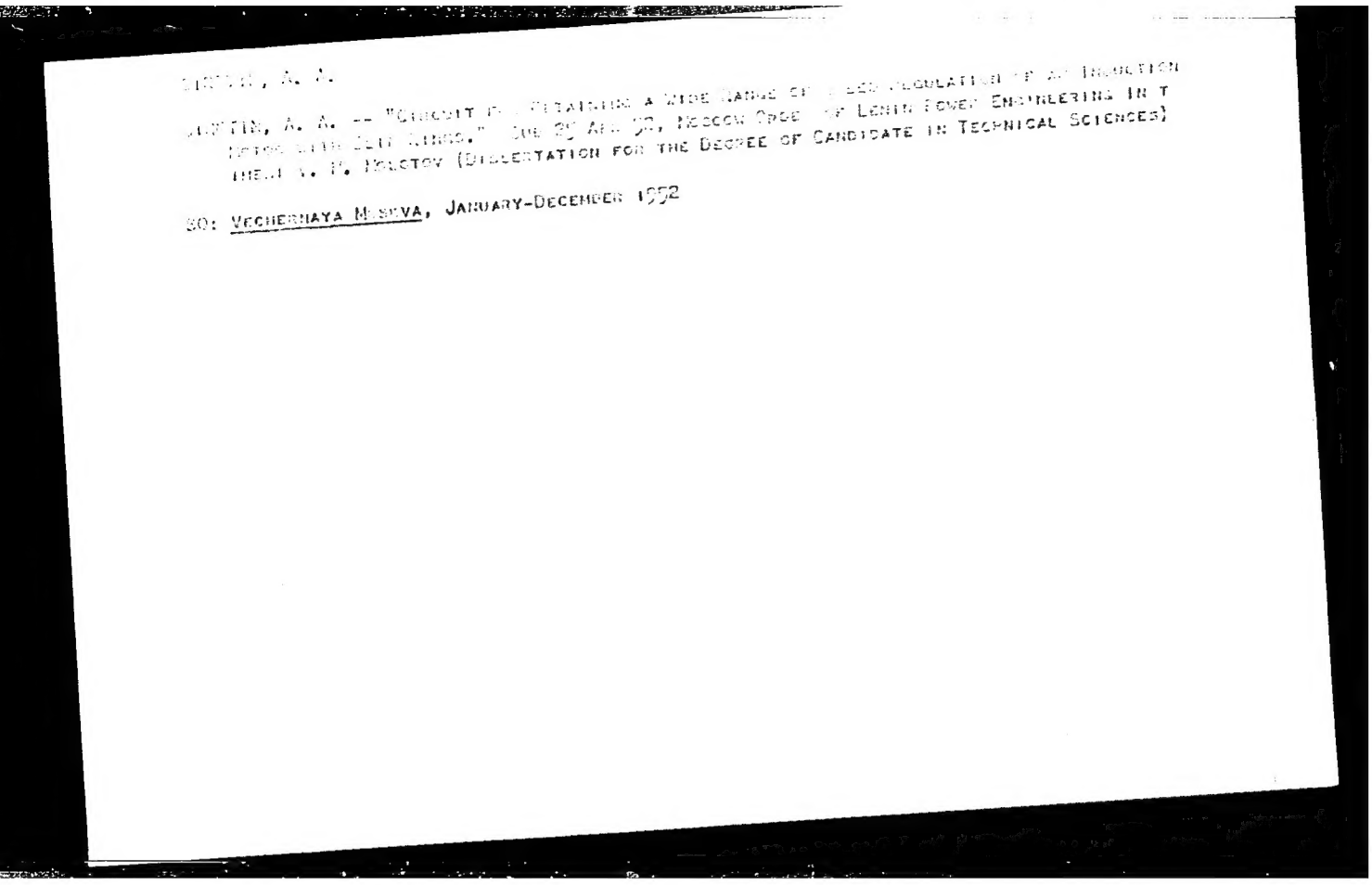
ACC NR: AP6020963

the parameters $a=2,96\pm0,03$ A, $b=2,86\pm0,03$ A, $c=3,41\pm0,02$ A and $\beta=90°37'$. Orig. art. has: 2 tables. [Based on authors' abstract] [AM]

SUB CODE: 11/ SUBM DATE: 19Mar66/ ORIG REF: 002/ OTH REF: 007/

Card 2/2

SIROTENKO, Ye. A., Cand Med Sci (diss) -- "The protein fractions of blood serum in rheumatism and infectious nonspecific polyarthritis in children". Leningrad, 1960. 16 pp (Leningrad Pediatrics Med Inst), 350 copies (KL, No 15, 1960, 140)



SIBTSOV, A. A.

SIBTSOV, A. A. -- "Circuit [illegible] Obtaining a Wide Range of [illegible] Regulation of an Induction Motor with Slip Rings." Sub 25 Apr 52, Moscow Order of Lenin Power Engineering In t imeni V. M. Molotov (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Vechernaya Moskva, January-December 1952

SIROTIN, A. A.

USSR/Electricity - Electric Drive
Engineering - Machine Tools Jul 52

"Electric Drive From and Induction Motor With Oscillatory Circuits in the Rotor," Engr A. A. Sirotin, Moscow Power Eng Inst imeni Molotov

"Elektrichestvo" No 7, pp 11-17

PA 237T25

States modern industry needs electric drives with wide range of speed regulation. One of recently proposed circuits for widening range of regulation of induction motors is circuit with series oscillatory circuits in rotor. These results of investigation of operation of this type drive conducted at Lab of Elec Equipment of author's Institute prove its practical applicability to grinding, milling, and other machine tools. Submitted 12 Dec 51.

237T25

SIROTIN, A.A., kandidat tekhnicheskikh nauk.

"Contact control schemes for electric drives." L.P.Petrov. Reviewed by A.A.Sirotin. Elektrichestvo no.6:95-96 Je '54.(MLRA 7:7)

1. Moskovskiy energeticheskiy institut im. Molotova (for Sirotin) (Petrov, L.P.) (Electric driving)

AID P - 469

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 32/34

Authors : Sokolov, M. M., Kand. of Tech. Sci., Dotsent and Sirotin, A. A., Kand. of Tech. Sci., Dotsent.

Title : S. N. Veshenevskiy: "Determination of Characteristics and Resistors for Electric Motors". 2d ed., rev. Gosenergoizdat, 1954, 328 p., 10,000 copies

Periodical : Elektrichestvo, 7, 93-94, Jl 1954

Abstract : An extensive review of the book.

Institution : None

Submitted : No date

AID P - 1206

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 1/34

Author : Sirotin, A. A., Kand. of Tech. Sci., Moscow

Title : Practical method of calculating the characteristics of separately excited shunt motor in systems of automatic speed regulation

Periodical : Elektrichestvo, 12, 3-7, D 1954

Abstract : A method of calculating the speed characteristics (n = f(I)) for various types of feedback systems is presented. The same method can be expanded to a large range of automatic control systems. Equations and curves for certain types of feedback control are given as examples. Three drawings and diagrams, 1 table.

Institution : Moscow Power Engineering Institute im. Molotov

Submitted : Jl 10, 1954

8(5)

AUTHORS: Sirotin, Artemiy Afanas'yevich, Candidate of Technical Sciences, Docent at Kafedra elektrooborudovaniya prompredpriyatiy Moskovskogo energeticheskogo instituta (Chair of Electrical Equipment of Industrial Enterprises), Sokolov, Nikolay Georgiyevich, Candidate of Technical Sciences, Docent at the Chair of Electrical Equipment of Industrial Enterprises, Moscow Power Engineering Institute, Rubtsov, Vladimir Vasil'yevich, Engineer at the 1 Podshipnikovyy zavod g. Moskvy (1st Bearing Factory of the City of Moscow)

SOV/161-58-2-24/30

TITLE: Electric Lag Drive of the Cross Feed (Transverse Feed) of Sphero-Grinders (Sledyashchiy elektroprivod poperechnoy podachi sferoshlifoval'nykh stankov)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1958, Nr 2, pp 196 - 204 (USSR)

ABSTRACT: The system of the cross feed electric drive should secure the removal of the main part of the supply at the maximum admissible actual feed. The slight rest of the supply has to be removed from a feed which secures the necessary quality of the product surface at minimum time. These requirements are met by the lag drive of the cross-feed which was developed for sphero-

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grinders by the co-workers of the Moskovskiy energeticheskiy institut (Moscow Power Engineering Institute) in cooperation with the Pervyy gosudarstvennyy podshipnikovyy zavod 1GP3(First State Warehouse Factory 1GP3). The mode of effect of the lag system of cross feed is described and the electric wiring diagram of sphero-grinders with the lag drive of cross feed is shown. This system was fitted to the sphero-grinders of the Leningradskiy zavod imeni Il'icha (Leningrad Works imeni Il'ich) and to the machines of the Van-Norman works. The experimental investigation of the electric lag drive are described. The positive properties of the electric lag drive are as follows: 1) A check at the workshop has shown that this system meets the series production requirements of ball-bearing factories. 2) When correctly adjusted, the lag system prevents scrap of rings owing to burning. 3) The lag feed increases by efficiency a correct adjustment as compared to the existing mechanical facilities. 4) The surface quality at a lag feed is between the 7th and 8th class. 5) The lag feed permits an uncomplicated adjustment of one mode of operation to another. 6) The

grinder is protected against excessive wear. 7) The electric diagram is not more complicated. 8) The diagram is more reliable than in other cases, due to the use of semiconductor valves instead of thermionic valves. 9) It is an automatic feed. 10) The specific energy consumption is lower by 16.1% as compared to mechanical feed. 11)The kinematic diagram of the cross feed assembly is by far less complicated. There are 8 figures.

ASSOCIATION: Kafedra elektrooborudovaniya prompredpriyatiy Moskovskogo energeticheskogo instituta (Chair of Electrical Equipment of Industrial Enterprises, Moscow Power Engineering Institute)

SUBMITTED: February 10, 1958

SIROTIN, A.A., kand. tekhn. nauk, dotsent; YELISEYEV, V.A., inzh.; POPOV, S.I., inzh.

New electric drive for internal grinding machines. Trudy MEI no.30:239-252 '58. (MIRA 12:5)

1.Moskovskiy ordena Lenina energeticheskiy institut, Kafedra elektrooborudovaniya promyshlennykh predpriyatiy.
(Grinding machines—Electric driving)

8(2) PHASE I BOOK EXPLOITATION SOV/1895

Sirotin, Artemiy Afanas'yevich

Avtomaticheskoye upravleniye elektroprivodami (Automatic Control of Electric Drives) Moscow, Gosenergoizdat, 1959. 526 p. 30,000 copies printed.

Ed.: V.P. Bychkov; Tech. Ed.: K.P. Voronin.

PURPOSE: This book was approved by the USSR Ministry of Higher Education as a textbook for electrical engineering and power engineering vuzes. It is intended for students interested in the electrification and automation of production processes. It could also be useful to engineers designing, assembling, and operating automatic control systems for industrial electric drives.

COVERAGE: The author discusses problems of the theory of automatic electric control systems according to their functions in various production processes, and he explains operating conditions, selection, and proper application of the elements of automatic

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control systems. He describes typical automatic control systems for induction, synchronous, and d-c motors, and covers problems of the theory of automatic regulation for closed-loop systems of electric drives. The author explains automatic control systems with dynamoelectric amplifiers, magnetic amplifiers, and electronic and gas-discharge elements. Attention is also given to the theory of electric servo-drives, methods for the calculation of non-linearities, and program control problems. The author states that in this work he has used material gathered during his industrial and teaching activity as well as from Soviet and non-Soviet technical literature. He thanks scientists and engineers of the Moscow Electric Power Institute, especially Professors A.V. Basharin, M.G. Chilikin, and A.T. Golovan; Candidate of Technical Sciences V.A. Yeliseyev; Senior Engineers V.K. Tsatsenkin and L.A. Sadovskiy; Docents V.P. Bychkov, G.P. Khalizev, and G.M. Kasprzhak. There are 48 references, of which 45 are Soviet and 3 English.

TABLE OF CONTENTS:

VOLOSNIKOV, Vladimir Petrovich; SIROTIN, A.A., kand.tekhn.nauk, red.; ANTIK, I.V., red.; VESHNEVSKIY, S.I., red.; KULEBAKIN, V.S., red.; SMIRNOV, A.D., red.; SOTSKOV, V.S., red.; STEFANI, Ye.P., red.; SHUMILOVSKIY, N.N., red.; BORUNOV, N.I., tekhn.red.

[Use of computers for automating electric drives] Ispol'zovanie vychislitel'nykh mashin dlia avtomatizatsii elektroprivodov. Moskva, Gos.energ.izd-vo, 1960. 119 p. (Biblioteka po avtomatike, no.17). (MIRA 14:3)

(Automatic control) (Electronic calculating machines)
(Electric driving)

PETROV, I.I., prof., doktor tekhn.nauk, red.; SIROTIN, A.A., red.; CHILIKIN, M.G., prof., doktor tekhn.nauk, red.; SUD, I.I., red.; SILAYEV, E.F., red.; VORONIN, K.P., tekhn.red.; LARIONOV, G.Ye., tekhn.red.

[Electric driving and automatic control of industrial systems; transactions of the All-Union Conference on the Automation of Industrial Processes in Machinery Manufacture and on Automatic Electric Driving in Industry] Elektroprivod i avtomatizatsiia promyshlennykh ustanovok; trudy Vsesoiuznogo ob"edinennogo soveshchaniia po avtomatizatsii proizvodstvennykh protsessov v mashinostroenii i avtomatizirovannomu elektroprivodu v promyshlennosti. Pod obshchei red. I.I.Petrova, A.A.Sirotina i M.G.Chilikina. Moskva, Gos.energ.izd-vo, 1960. 470 p.
(MIRA 13:7)

1. Vsesoyuznoye ob"yedinennoye soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v mashinostroyenii i avtomatizirovannomu elektroprivodu v promyshlennosti. 3d, Moscow, 1959.
(Electric driving) (Automatic control)

S/105/60/000/07/04/027
B007/B005

AUTHORS: Sirotin, A. A., Candidate of Technical Sciences, Docent, Yeliseyev, V. A., Candidate of Technical Sciences

TITLE: Automatic Electric Drive of Grinding Machines with Follow-up Feed

PERIODICAL: Elektrichestvo, 1960, No. 7, pp. 15-19

TEXT: Electric drives of so-called follow-up feeds were developed at the Kuybyshevskiy industrial'nyy institut (Kuybyshev Industrial Institute) and the Moskovskiy energeticheskiy institut (MEI) (Moscow Institute of Power Engineering). The complicated and expensive feeding system of the Kuybyshevskiy podshipnikovyy zavod (Kuybyshev Bearing Works) (Ref. 1) does, however, not consider the deterioration of grinding wheels during grinding, and does not guarantee a control of grinding quality. After investigations of many years at the Laboratoriya kafedry "Elektrooborudovaniye promyshlennykh predpriyatiy" MEI (Laboratory of the Chair "Electrical Equipment of Industrial Enterprises" at the MEI), an electric follow-up drive for the transverse feed in grinding machines

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was developed (Refs. 2, 3). This drive was used in 72 ball grinding machines of the Pervyy gosudarstvennyy podshipnikovyy zavod (First State Bearing Works). This drive is subject of the present paper. The structural scheme is shown in Fig. 1, and explained. In this system, the grinding quality is determined by the energy consumed by the grinding-wheel motor. Investigations and tests of the follow-up drive showed that the latter guarantees the manufacturing cycle required. Fig. 2 shows the curve of the change in capacity of the grinding-wheel motor, the curve of the actual feed, and the curve of the support feed during grinding. Fig. 3 shows the circuit of a follow-up drive. It is pointed out that the elastic deformation and the wear of the grinding wheel must be considered in calculating the dynamic conditions of the electric drive of a grinding machine. As there were no respective data in publications, an experimental plant was set up for investigating, measuring, and recording elastic deformations during grinding on a ball grinding machine. The method applied is described, and by means of the diagram in Fig. 4 it is shown that the curves obtained by calculation and experiment are in agreement. The following elements can be calculated by the method described: the curves of the actual feed and the support

feed, the elastic deformations and the wear of grinding wheels, the grinding capacity, and the power demands of the grinding-wheel motor for various types of grinding machines. The improvements of the circuit of the electric follow-up drive are pointed out. In conclusion, the following statements are made: For a quality increase in grinding, it is convenient to use an adjustable drive of the grinding wheel together with an electric follow-up drive of the transverse feed; the use of follow-up feeds permits the ball grinding machines, internal-grinding machines, and other grinding machines to be fully automatized; in planning electric drives, it is convenient to consider the elastic deformations of the grinding machine and the wear of grinding wheels; on the basis of the equations indicated, it is possible to calculate the transition processes of similar electric drives of grinding machines by means of methods of solving nonlinear problems. There are 4 figures and 4 Soviet references.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Institute of Power Engineering)

SUBMITTED: December 12, 1959

SIROTIN, A.A., kand.tekhn.nauk (Moskva)

Electric drives with elastic mechanical links. Elektrichestvo no.8:34-40 Ag '62. (MIRA 15:7)
(Electric driving)

SIROTIN, A.A., kand. tekhn. nauk, dotsent

Electric drives with rigid mechanical couplings. Trudy MEI no.38:17-34 '62. (MIRA 17:2)

L 11603-66 EWT(1)

ACC NR: AP6005031 SOURCE CODE: UR/0105/65/000/002/0035/0041

AUTHOR: Sirotin, A. A. (Candidate of technical sciences); Kireyev, V. V. (Engineer)

ORG: none

TITLE: Unified transistorized pulse distributors for controlling electrical step motors

SOURCE: Elektrichestvo, no. 2, 1965, 35-41

TOPIC TAGS: transistorized circuit, electric motor, control circuit, electric engineering

ABSTRACT: The article describes and analyzes the design of a pulse distributor for step motor control, both simple and reliable. The general principle of multi-channel distributors with voltage output is based on a circuit containing a bistable element and m d.c. amplifiers coupled through positive feedback in a way to produce a system with m stable states. Such a trigger which is shown here has the base and collector circuits of its transitors separated; in addition, diodes are used as feedback elements. Consequently, the drop of collector voltage, i.e. the difference between the maximum and minimum voltage across the load, is practically independent of the gain and of transistor saturation, nor does it depend on the number of feedback loops. Provision is made for distributing the one-cycle pulse sequence over the inputs of the transistors; thus the trigger operates almost as if in the multi-input mode of

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L 11603-66
ACC NR: AP6005031

control. The equivalent circuit of this transistorized trigger is analyzed in terms of equations relating the parameters of this circuit. Of particular importance are the transistor parameters and their effect on the performance. The results of this analysis serve, in turn, to determine the design values of circuit components required to meet specific operating conditions. Among others a relationship is derived between the transistor characteristics (transfer efficiency, saturation, utilization factor) and the number of stable states m of the trigger. Furthermore, certain properties of the trigger circuit matrix are stated for the case where m is an even number. The case of odd m would require a thorough analysis for each value of m. In conclusion, several schemes of pulse distribution are shown for two-, four- and three-phase electric step motors. The latest trend is toward increasing the number of control cycles with the use of inductor-type motors. Such motors having low internal damping and operate stably at no load within the electro-mechanical resonance band, when the number of cycles is larger than eight. Orig. art. has: 4 figures and 22 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: 02Jun64 / ORIG REF: 004

Card 2/2

SIROTIN, A.A.

Molding line for the manufacture of large half molds. Stor. st. NIITIAZHMASHa Uralmashzavoda no.9:30-39 '65.
(MIRA 18:8)

ACC NR: AR6035398 SOURCE CODE: UR/0372/66/000/009/G008/G008

AUTHOR: Sirotin, A. A.

TITLE: Elements of the theory of automatic control systems with elastic links

SOURCE: Ref. zh. Kibernetika, Abs. 9G50

REF SOURCE: Sb. Avtomatizir. elektroprivod proizv. mekhanizmov. T. 1, M.-L., 1965, 57-61

TOPIC TAGS: automatic control system, automatic control theory, linear differential equation, nonlinear differential equation, transient vibration

ABSTRACT: The author considers some problems in the analysis and synthesis of open-loop electromechanical automatic control systems with elastic links, and also with nonlinear loading elements. The elastic links are taken into account by referring to a single shaft all the torques acting in the system, including also the torques due to the elastic forces, followed by formulation of a generalized equation for this system. This generalized equation can lead to simple linear differential equations with constant coefficients or to different classes of nonlinear equations, depending on the makeup of the investigated automatic control system. By solving these equations, it is possible to calculate the transients occurring in response to perturbations whose nature is specified by the plots of the acting torques. It is recommended that such automatic control systems be analyzed by the method of mathematical modeling, by the phase-plane method, or by the method of harmonic linearization, depending on the type

UDC: 62-501.3

Card 1/2

ACC NR: AR6035398

and complexity of the elastic links and nonlinear elements contained in the system. In very complicated cases it is recommended that some nonlinear elements be replaced by others that simplify the theoretical analysis of the transients. The special importance of the development of automatic control systems with elastic links for pulsed electromechanical systems, in which the stepwise displacements of the individual parts are frequently commensurate with the elastic deformations, is emphasized. 4 illustrations. Bibliography, 3 titles. B. S. [Translation of abstract]

SUB CODE: 13, 12

Card 2/2

SIROTIN, A.F., elektrik

Stand for testing tractor generators and adjusting relays of governors. Stroi. truboprov. 8 no.12:30-31 D '63. (MIRA 17:4)

1. Uchastok SU-8 tresta Omskneftegazprovodstroy, Omsk.

SGIBNEV, Vladimir Fedorovich; SIROTIN, A.I., inzh., red.; KL'KIND, V.D., tekhn.red.

[Design and manufacture of dies] Konstruktsii i izgotovlenie shtampov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 186 p. (MIRA 14:3)
(Dies (Metalworking))

ORLOV, Georgiy Mikhaylovich, kand. tekhn. nauk; SIROTIN, A.I., inzh., red.; GORDEYEVA, L.P., tekhn. red.

[Automatic units for shaking out foundry molds] Avtomaticheskie ustanovki dlia vybivki liteinykh form; opyt otechestvennykh zavodov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 130 p. (MIRA 14:7)
(Foundries—Equipment and supplies)

ZAYGEROV, Iosif Borisovich; prinimali uchastiye: GVOZDEVICH, A.M., SHMORGUN, Ya.Sh., inzh.; TIMOFEYEV, T.S., inzh.; ARAV, R.I., inzh., KULESHOVA, A.I., inzh.; GORODETSKIY, G.Ye., inzh.; SOSNENKO, M.N., inzh. retsenzent; SIROTIN, A.I., red.; EL'KIND, V.D., tekhn. red.

[Reclamation of used sand mixtures; design of pneumatic reclaimers] Regeneratsiia otrabotannykh smesei v liteinom proizvodstve; konstruktsiia i raschet pnevmaticheskikh regeneratorov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 181 p. (MIRA 14:5)

1. Nachal'nik otdela mekhanizatsii Moskovskogo transformativnogo zavoda (for Gvozdevich, Shmorgun, Timofeyev, Arav, Kuleshova, Gorodetskiy)

(Sand, Foundry) (Pneumatic machinery)

VAGIN, Viktor Vasil'yevich; PIROGOV, Boris Ivanovich; BARINOV, N.A., kand.tekhn.nauk, retsenzent; SIROTIN, A.I., inzh., red.; VLADIMIROVA, L.A., tekhn.red.

[Stone casting] Kamennoe lit'e. Moskva, Mashgiz, 1962. 93 p. (MIRA 15:4)
(Stone)

KUZ'MIN, Sergey Il'ich, kand.tekhn.nauk; NESTERTSEV, S.P., inzh., retsenzent; SIROTIN, A.I., inzh., red.; SMIRNOVA, G.V., tekhn.red.

[Melting and casting heat-resistant alloys and steel in vacuum] Plavka i lit'e zharoprochnykh splavov i stalei v vakuume. Moskva, Mashgiz, 1962. 125 p. (MIRA 15:4)
(Founding) (Heat-resistant alloys)
(Vacuum technology)

PROSYANIK, Georgiy Vasil'yevich; LAKEDEMONSKIY, Anatoliy Vladimirovich; BAZILEV, N.P., nauchnyy red.; SIROTIN, A.I., red.; TOKER, A.M., tekhn. red.

[Making shell molds] Izgotovlenie obolochkovykh form. Moskva, Proftekhizdat, 1963. 270 p. (MIRA 16:7)
(Shell molding (Founding))

SIROTIN, A.I.

Organize production on a new basis through the use of new equipment. Neftianik 8 no.2:11-12 F '63. (MIRA 16:10)

1. Glavnyy energetik kontory bureniya Korobkovskogo neftepromyslovogo upravleniya Volgogradneftegaza.

SIROTIN, A.M., redaktor; YEFIMOVA, A.; tekhnicheskiy redaktor.

[Report of the Soviet agricultureal deligation on its trip to the U.S.A. and Canada in 1955] Otchet Sovetskoi sel'skokhoziaistvennoi delegatsii o poezdke v SShA i Kanadu v 1955 g. Moskva, Izd-vo "Pravda," 1955. 332 p. (MLRA 10:4)
(United States--Agriculture)
(Canada--Agriculture)

SIROTIN, Anatoliy Maksimovich; MIKHEYEV, Vasiliy Stepanovich; BENYUMOV, O.M., red.; TROFIMOV, A.V., tekhn. red.

[Through our sister nation of Czechoslovakia; notes on its agriculture] Po zemle bratskoi Chekhoslovakii; zametki o sel'skom khoziaistve. Moskva, Izd-vo "Znanie," 1958. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, no.14). (MIRA 11:9)

(Czechoslovakia--Agriculture)

SIROTIN, A.M.; GRITSENKO, A.I.

Certain problems in the exploitation of gas-condensate fields.
Gaz. delo no.6/7:33-36 '63. (MIRA 17:10)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

ZAVERTAYLO, M.M., ADONIN, A.N.; SIROTIN, A.M.

Experimental study of the heat-transfer coefficient of double-pipe gas heat exchangers. Gaz. delo no.6/7:60-64 '63. (MIRA 17:10)

1. Krasnodarskiy filial Vsesoyuznogo neftegazovogo nauchno-issledovatel'skogo instituta i Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

SIROTIN, A.M.; MEDNIKOV, Ye.P.

Experimental investigation of the dynamic process of the low temperature separation of natural gas in horizontal separators. Report no.3. Gaz. delo no.10:14-17 '65. (MIRA 18:12)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika Gubkina. Submitted February 19, 1965.

SEREN, A.I.; [illegible], Ye.P.

Experimental investigation of the dynamics of the low-temperature separation of natural gas. Gaz. delo no.6:17-20 '65. (MIRA 18:8)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. Gubkina.

SIROTIN, Aleksandr Semenovich; KARPOVA, N., red.

[Five-year task in labor productivity can be achieved in four years] Piatiletnee zadanie po proizvoditel'nosti truda - v chetyre goda. [Kalinin] Kalininskoe knizhnoe izd-vo, 1957. 22 p. (MIRA 11:7)

1. Brigadir brigady selsarey-montazhnikov telezhechnogo tsekha Kalininskogo vagonostroitel'nogo zavoda (for Sirotin)
(Kalinin--Railroads--Cars)

RAKHLEYEV, G.I.; SIROTIN, A.S.; Prinimali uchastiye: ADIGAMOV, Ya.M., inzh.; KISELEV, Yu.Ya., inzh.; MALYAREVICH, E.A., inzh.; PETROV, G.M., inzh.

Some problems in general mechanization and automatic control of the productions processes in the Zolotushinskiy Mine. Sbor. trud. VNIITSVETMET no.4:148-165 '59. (MIRA 16:8)

(Mining machinery) (Automatic control)

LEVI, L.I.; BADER, E.I.; SIROTIN, A.Ya.

Content of gases in malleable cast iron. Izv. vys. ucheb. zav.; chern. met. 7 no.7:210-214 '64 (MIRA 17:8)

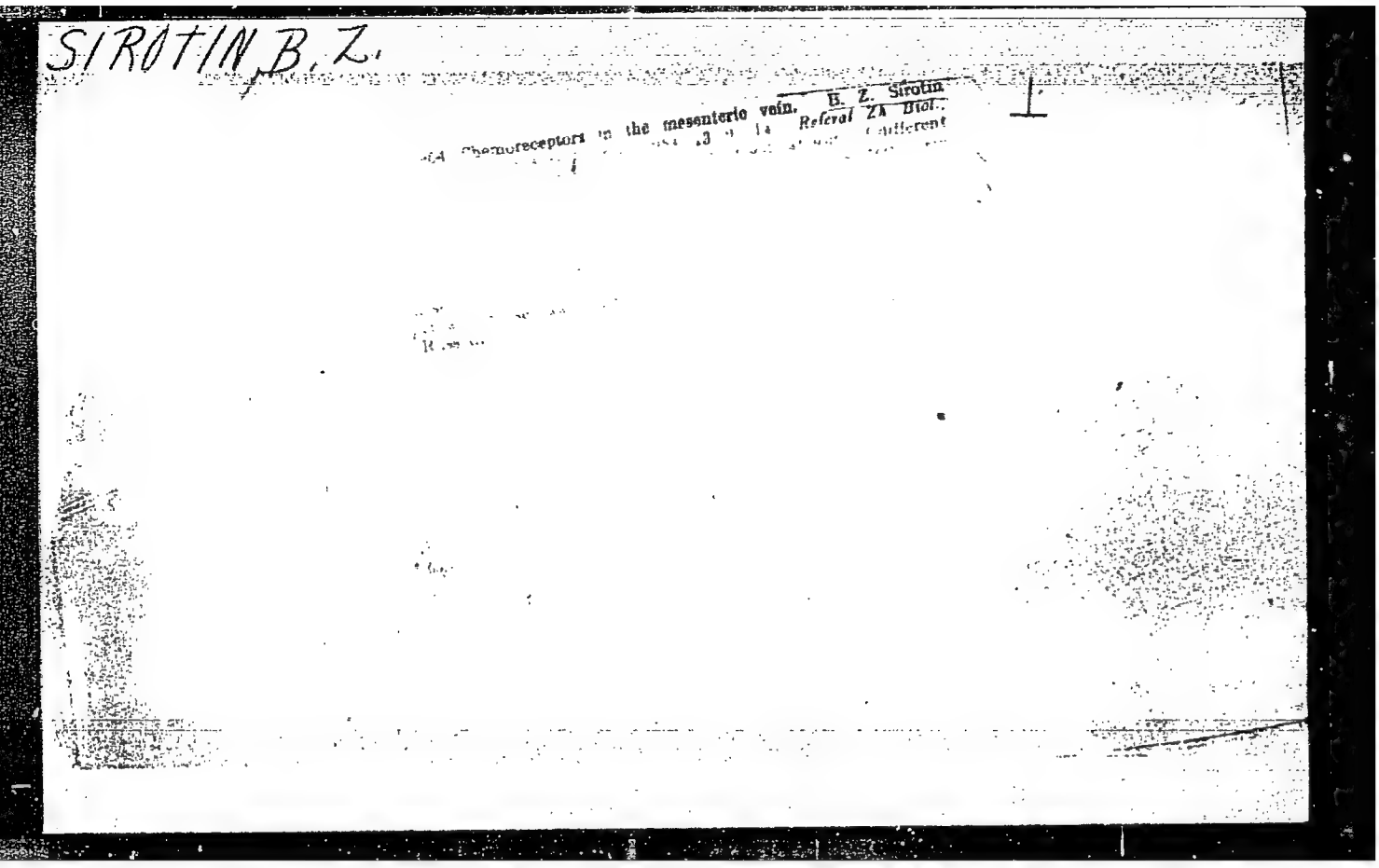
1. Moskovskiy institut stali i splavov.

SIROTIN, B. Z.

Sirotin, B. Z.

"Reflexes with Chemorecptors of the Mesenteric Veins." Khabarovsk State Medical Inst. Khabarovsk, 1954. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1955



USSR/Medicine/Neurophysiology FD-2940

Card 1/1 Pub. 17-4/23

Author : Sirotin, B. Z.

Title : Impulse action of the chemoreceptors of the mesenteric vein

Periodical : Byul. eksp. biol. i med., 7, 13-16, July 1955

Abstract : Author experimented on cats under ether narcosis by tying off the anterior mesenteric vein isolating it from all its tributary veins. Physiological Ringer-Locke solution of different temperatures was used to perfuse the vein segment. An oscillograph recorded the pulses induced by the different chemical solutions used. During a considerable number of experiments, only eight registered clear impulses of the afferent nerve so that changes produced by the various chemical solutions could be studied. For example: during one of these experiments the use of novocain stopped all afferent impulses within one minute. 11 references, 7 USSR, 7 since 1940, graphs.

Institution : Chair of Physiology (Head: Prof. G. N. Sorokhtin), Khabarovsk Medical Institute (Director: Docent S. K. Nechepayev)

Submitted : 30 June 1954

SIROTIN, B.Z.

Changes in amounts of leucocytes in stimulation of chemoreceptors of the mesentery vein. B. Z. Sirotin (Med. Inst., Khabarovsk). *Fiziol. Zhur. S.S.S.R.* 41, 771–4 (1955).—In cats introduction of substances which appear in the process of digestion in the blood (glucose, glycine, and peptone) causes a reflex leucocytosis, probably by the action on the chemoreceptor centers of the mesentery vein.
G. M. Kosolapoff

MD

MINUT-SOROKHTINA, Ol'ga Pavlovna; SIROTIN, B.Z.

[Physiological significance of receptors of the veins] Fiziologicheskoe znachenie retseptorov ven. Moskva, Medgiz, 1957. 227 p. (MIRA 12:1)

(NERVOUS SYSTEM, VASOMOTOR)

TIKHOMIROV, A.S., dotsent; SIROTIN, B.Z.

Case of leukemia in uniovular twins. Probl.gemat. i perel. krovi 4 no.4:57-60 Ap '59. (MIRA 12:6)

1. Iz gospital'noy terapevticheskoy kliniki (zav. - prof. B.A.Temper) Khabarovskogo meditsinskogo instituta i prozektury Khabarovskoy dorozhnoy bol'nitsy (zav. - dotsent A.S.Tikhomirov).
(LEUKEMIA, LYMPHATIC, in inf. & child, in twins (Rus))
(TWINS, dis. lymphatic leukemia (Rus))

SIROTIN, B.Z.

Electrophysiological study of the reception of various internal human organisms. Report No.1: Impulses from receptors of the resected stomach and small intestine. Biul. eksp.biol.i med. 50 no.9: 3-7 S '60. (MIRA 13:11)

1. Iz kafedry fiziologii (zav. - prof. G.N.Sorokhtin) Khabarovskogo meditsinskogo instituta.
(STOMACH--INNERVATION) (INTESTINES--INNERVATION)

SIROTIN, B.Z.

Electrophysiological study of reception in some internal organs in man. Report No.2: Electrophysiological characteristics of receptors of the stomach and the small intestine in the body and after complete isolation of these organs. Biul. eksp. biol. i med. 54 no.8:16-21 Ag '62.

(MIRA 17:11)

1. Iz kafedry fiziologii (zav. - zasluzhennyy deyatel' nauki RSFSR prof. G.N. Gorokhtin) Khabarovskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.V. Parinym.

SIROTIN, D.Ye.; PESINA, S.Kh., tekhred.

[Descriptive geometry] Nachertatel'naia geometriia. Minsk, Red.-izd.otdel BPI im. I.V.Stalina, 1959. 226 p. (MIRA 12:8)
(Geometry, Descriptive)

TSIRUL'SKIY, A.V.; SIROTIN, M.I.

Analytic extension of the logarithmic potential. Izv. AN SSSR. Ser. geofiz. no.1:105-109 Ja'64. (MIRA 17:2)

1. Institut geofiziki Ural'skogo filiala AN SSSR.

SIROTIN, K.M.

Age of traps in the region of the middle course of the Vilyui river. Dokl.AN SSSR 95 no.1:143 Mr '54. (MLRA 7:3)
(Vilyui Valley--Geology) (Geology--Vilyui Valley)

SIROTIN, K.M.

Diabases with micropegmatite found near the Vilyui River. Dokl. AN SSSR 103 no.4:697-698 Ag'55. (MLRA 8:11)

1. Saratovskiy gosudarstvennyy universitet imeni N.G.Chernyshevskogo. Predstavleno akademikom D.S.Korzhinskim.
(Vilyui River-- Diabase)

SIROTIN, K.M.

Dzhabygasay granite massif on the eastern slope of the southern Urals. Nauch.dokl.vys.shkoly; geol.-geog.nauki no.1:44-50 '59. (MIRA 12:6)

1. Saratovskiy universitet, geologicheskiy fakul'tet, kafedra petrografii i mineralogii.
(Kunak Valley--Granite)

SIROTIN, K.M.

Cycles of volcanism in the Vilyuy Basin. Uch.zap.SGU 65:165-168 '59. (MIRA 16:1)

(Vilyuy Valley—Volcanoes)

SIROTIN, K.M.

Petrography of the Kumak massif of gabbro-diabases in the Southern Urals. Mat. po geol. i pol. iskop. IUzh. Urala no.2:106-115 '60. (MIRA 14:3)
(Ural Mountains--Gabbro)

SIROTIN, K.M.

Mode of occurrence of the Vilyuy traps. Uch.zap. SGU 74:183-187 '60. (MIRA 15:7)

(Vilyuy Valley--Diabase)

SIROTIN, K.M.

Certain chemical features of the Vilyuy traps. Uch.zap. SGU 74: 223-235 '60. (MIRA 15:7)

(Vilyuy Valley--Diabase)

SIROTIN, K.M.

Genesis of pegmatites. Izv. AN SSSR. Ser. geol. 30 no.5: 25-31 My '65. (MIRA 18:6)

1. Saratovskiy gosudarstvennyy universitet im. N.G. Chernyshevskogo.

SIROTIN, M

Planirovaniye Mekhanizatsii Trudoyemkikh I Tyazhelykh Rabot V Promyshlennosti SSSR (Planning the Mechinzation of Labor Consuming, and heavy Labor industry of the USSR by) M. Sirotin (and) V. Shafranskiy. Moskva, Gospolitizdat, 1953.

191 p. Tables.

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SIROTIN, M.

Topics of the exhibition is "Unit assembly in the machinery industry. Standartizatsiia 29 no.6:61-62 Je '65. (MIRA 18:12)

[illegible]SVA, Yekaterina Mikhaylovna; BOGEMBIT, Ya.V., inzhener, retsenzent; SIROTIN, M.A., inzhener, redaktor; BOGOLYUBOVA, I.Yu., redaktor izdatel'stva [deceased]; UVAROVA, A.P., tekhnicheskiy redaktor

[Economics, organization and design of machine shops] Ekonomika, organizatsiia i proektirovanie mekhanicheskikh tsekhov. Moskva, Vses.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1957. 195 p. (MLRA 10:10)
(Machine shops)

S/028/60/000/008/002/010
B013/B054

AUTHOR: Sirotin, M. A.

TITLE: Standardization and Normalization of Technical Equipment and Tools at the Exposition of Achievements of National Economy of the USSR

PERIODICAL: Standartizatsiya, 1960, No. 8, pp. 8 - 11

TEXT: The author reports on the special show "Standardization and Normalization of Technical Equipment and Tools" which was held within the framework of the Vystavka Dostizheniy Narodnogo Khozyaystva SSSR (Exposition of Achievements of National Economy of the USSR). This show was organized by the Komitet standartov, mer i izmeritel'nykh priborov (Bureau of Standards, Measures, and Measuring Instruments) and the Vsesoyuznyy nauchno-issledovatel'skiy institut po normalizatsii v mashinostroyenii (All-Union Scientific Research Institute of Normalization in Machine Construction) together with organizations of standardization and normalization. It is the main object of this show to exhibit the technical and economic effect of standardization and normalization of

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Standardization and Normalization of Technical Equipment and Tools at the Exposition of Achievements of National Economy of the USSR

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technological equipment and their importance to the organization of a specialized production. More than 1500 devices and tools of different types are shown in three rooms of the "Mashinostroyeniye" (Machine Construction) Pavilion. They were entered by factories from 12 sovnarkhoz, scientific and planning organizations. The first section of the exposition shows the role of technical equipment played in the increase of productivity. On the other hand, the introduction of progressive equipment on a broad basis is only possible with corresponding normalization and centralized production. Due to the specialization of production, the annual total savings will amount to an average of more than three billion rubles. Display panels show that machine construction standards in the USSR are compulsory for all factories and organizations irrespective of their dependence. In 1960-1961, machine construction standards will be worked out for the whole complex of technical equipment and tools for wide application. The exposition accomodates ten departments in which examples of achievements in the field of normalization of various tools and technical equipment are demonstrated. The following examples are mentioned: cutting tools, universal and adjusting devices for workbenches,

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Standardization and Normalization of Technical Equipment and Tools at the Exposition of Achievements of National Economy of the USSR

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universal assembling devices, devices for the mechanization and automation of mechanical treatment, equipment for pressure treatment, foundry equipments. A conference was held which was attended by more than 400 representatives of sovnarkhoz and scientific institutions who discussed the material of the special show. Specially progressive equipment and tools for specialized production, and for an introduction into industry on a broad basis, were recommended. There are 2 figures.

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SIROTIN, M.A.

The first months' activity at the pavilion. Standartizatsiia 28 no.7:48-51 Jl '64. (MIRA 17:11)

SIROTIN, M.A.

Seminar on standardization at the Exhibition of the achievements of the National Economy of the U.S.S.R. Standartizatsiia 26 no.4: 53-56 Ap '62. (MIRA 15:3)

(Moscow--Exhibitions) (Standardization)

SIROTIN, M.A.

Recompenses awarded by the Exhibition of the Achievements of National Economy for works on standardization. Standartizatsiia 27 no.12:54-55 D '63. (MIRA 17:4)

ARAPOV, P.P.; SIROTIN, M.A.

Introduce acheivements of standardization into national economy. Standartizatsiia 28 no.4:71-72 Ap '64.

Unification and standardization of the parts of equipment. Ibid.:71-72

Interbranch unification of multipurpose machines for labor consuming operation. Ibid.:72. (MIRA 17:6)

SIROTIN, M.A.

Exchange of experience in standardization. Standartizatsiia 28 no.5:50 My '64. (MIRA 17:12)

SIROTIN, M.A.

Standard- that is good. Standartizatsiia 28 no.8:52-53 Ag '64
(MIRA 17:11)

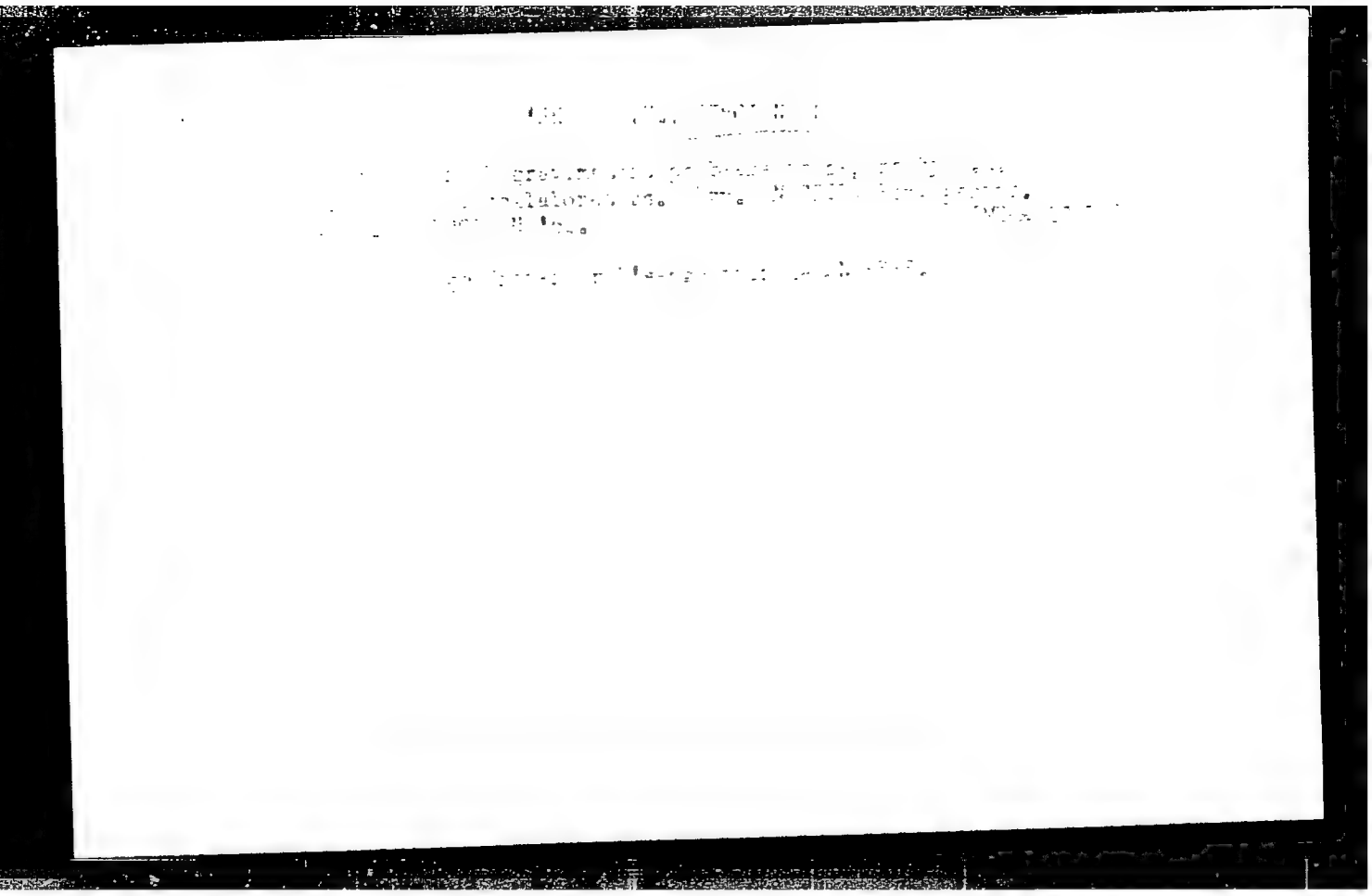
SIROTIN, M.A.

Prizes awarded at the Exhibition of the Achievements of the National Economy for works in standardization. Standartizatsiia 29 no.3:59-61 Mr '65. (MIRA 18:5)

VOSKOBOYNIKOV, G.M.; SIROTIN, M.I.

Determining the characteristics of analytic extension of potential fields. Izv. AN SSSR. Fiz. zem. no.12:21-30 '65. (MIRA 19:1)

1. Institut geofiziki Ural'skogo filiala AN SSSR. Submitted March 18, 1965.



CHUBRIKOV, L.G.; SIROTIN, M.I.; SUYAROV, D.I.; Prinimali uchastiye:
KAYURIN, V.P.; PROKHOROV, V.S.

Investigating reduction conditions on plate mills at the Asha metallurgical plant. Trudy Inst.met.UFAN SSSR no.9:27-33 '62. (MIRA 16:10)

CHUBRIKOV, L.G. (Sverdlovsk); SUYAROV, D.I. (Sverdlovsk); SIROTIN, M.I. (Sverdlovsk)

Determining average unit pressures in the investigation of plate mills. Izv. AN SSSR. Otd. tekh. nauk. Met. i gor. delo no.1:22-25 Ja-F '63. (MIRA 16:3)

(Rolling mills)

CHUBRIKOV, L.G.; SUYAROV, D.I.; SIROTIN, M.I.

Measuring forces in rolling on plate mills. Trudy Inst.met.UFAN SSSR no.9:17-26 '62.

Algorithm of the control of the screw-down mechanism on plate mills. 35-40

Principles of calculating diagonal rolling. 41-48 (MIRA 16:10)

SUYAROV, D.I.; SIROTIN, M.I.

Formula for converting the amount of deformation in specimen compression to the amount of deformation in strip rolling. Trudy Inst.met.UFAN SSSR no.9:13-16 '62. (MIRA 16:10)

SIROTIN, Nikolay Fedorovich[Syrotin, M.F.]; OZERANSKIY, L.A. [Ozerans'kyi, L.A.], red.; SAVCHENKO, M.S., tekhn. red.

[Root vegetables]Stolovi koreneplody. Kyiv, Derzhsil'-hospvydav URSR, 1961. 102 p. (MIRA 15:11)
(Ukraine--Vegetable gardening)

SIROTIN, P.A., kapitan 2-go ranga

Fundamentals of aerial search of the enemy in the sea. Mor. sbor. 47 no.6:50-58 Je '64. (MIRA 18:7)

DUBRAVIN, K.O., kapitan 2-go ranga; SIROTIN, P.A., kapitan 2-go ranga

Stay time of a target in a region of search. Mor. sbor. 48 no.6: 62-67 Je '65. (MIRA 18:6)

SHCHITA, I. I.

PHASE I BOOK EXPLOITATION SOV/4896

Moskovskiy dom nauchno-tekhnicheskoy propagandy imeni F. E. Dzerzhinskogo

Avtomaticheskiye rotornyye linii - sredstvo kompleksnoy avtomatizatsii proizvodstva. (Rotary-Transfer-Machine Lines-a Means of Full Automation of Production) Moscow, Mashgiz, 1960. 221 p. 10,000 copies printed.

Ed.: L. N. Koshkina; Ed. of Publishing House: I. Vasil'yeva; Tech. Ed.: G. V. Smirnova; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin, Engineer.

PURPOSE: The book is intended for technical personnel in the machinery industry.

COVERAGE: This collection of articles explains the principles of full automation based on the use of rotary transfer machines in various industries. The rotary operational transfer machines used for basic processing are discussed, and also the special power equipment and

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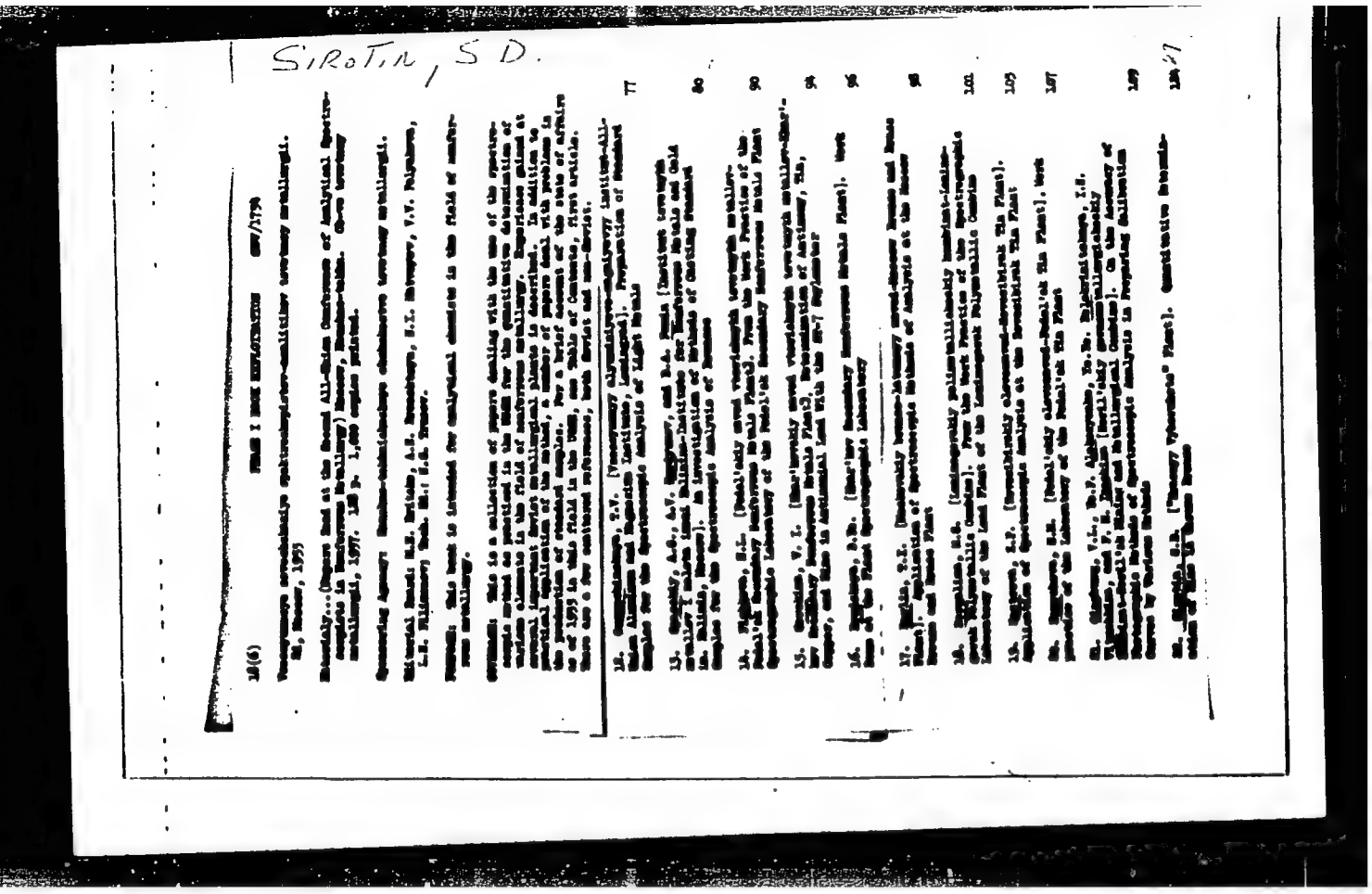
accessories for these machines and [production] lines. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:



SIROTIN, S.D.

L 61636-65 EWT(d)/EED-2/EWP(1) Pq-4/Pg-4/Pk-4 LJP(c) BB/GG/GS/JXT(BF)
ACCESSION NR: AT5014723 UR/0000/65/000/000/0156/0163

AUTHOR: Sukhomlinov, M. M., Ferents, N. K., Onishchenko, E. L., Pelipenko, N. I., Shikalov, V. S., Kholmskaya, Ye. V., Dodonova, G. M., Strotin, V. G. 33 B+/

TITLE: Memory with magnetostriction delay lines for series computers

SOURCE: Operativnyye i postoyannyye zapominayushchiye ustroystva (Rapid and nonvolatile storage); sbornik statey. Leningrad, Izd-vo Energiya, 1965, 156-163

TOPIC TAGS: magnetostriction delay line, small computer memory, inexpensive longlife memory, small rapid memory, delay line memory 16C

ABSTRACT: Dynamic delay-line memories seem to be the most suitable for small consecutive-action computers. The present paper describes one type of such memories based on magnetostriction delay lines. The block diagram of the memory is shown in Fig. 1 of the Enclosure. After outlining the necessary theory and describing the construction and operation of the device, the authors conclude that the advantages of the magnetostriction delay line memory are: 1) low cost; 2) possibility of memory alterations without disturbing the basic circuitry; 3) input and output of information through several branches; 4) high speed; 5) easy matching with transistorized circuits; 6) economical operation; and 7) long-life. Orig. art. has: 5 formulas, 5 figures, and 1 table.

Card 1/3

L 61636-65
ACCESSION NR: AT5014723

ASSOCIATION: None

SUBMITTED: 30Jan65 ENCL: 01 SUB CODE: DP

NO REF SOV: 004 OTHER: 000

Card 2/3

KLEKL', V.N.; NIKITINA, A.P.; SIROTIN, V.I.

Origin of bauxites in the Kursk Magnetic Anomaly. Razved. i okh. nedr 31 no.1:1-7 Ja '65. (MIRA 18:3)

1. Belgorodskaya zhelezorudnaya ekspeditsiya (for Klekl'). 2. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (for Nikitina). 3. Voronezhskiy universitet (for Sirotin).

SIROTIN, V.V.

Establishing gas systems in cities of western Turkmenistan. Izv.AN Turk.SSR no.6:56-62 '55. (MLRA 9:5)

1. Institut geologii AN Turkmenskoy SSR.
(Turkmenistan--Gas, Natural)

SIROTIN, V.V.

Economic aspects of gas supply in Ashkhabad. Izv.AN Turk.SSR no.4:108-110 '57. (MIRA 10:10)

1. Institut geologii AN Turkmenskoy SSR.
(Ashkhabad--Gas as fuel)

SIROTIN, V.V.; SABATOVSKIY, G.K.

Gas supply sources for Ashkhabad. Izv. AN Turk. SSR no.4:110-111 '58. (MIRA 11:10)

1. Institut geologii AN Turkmenskoy SSR.
(Ashkhabad--Gas)

3580. SIROTIN V. Z. Chair of Physiol., med. Inst., Khabarovsk. *Reflex changes in the number of leucocytes on stimulation of the chemoreceptors of the mesenteric vein (Russian text) FIZIOL. Z. 1955, 41/6 (771-774) Tables 5

A significant increase of the leucocyte count was obtained when the in-situ isolated mesenteric vein was perfused with 0.5% M glucose, 1% M peptone, and 20% M glucose. This effect was counteracted by 1% M procaine solution.

Simonson - Minneapolis, Minn.

SIROTIN, Yu. I.

Solution of problems in dynamics. Fiz. v shkole 15 no. 3: 34-38 My-Je '55. (MLRA 8:6)

1. 124-ya srednyaya shkola (g. Moskva)
(Dynamics--Problems, exercises, etc.)